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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/600,452 06/23/2003		06/23/2003	Naomi Awano	8007-1051	7222
466	7590	06/15/2005		EXAMINER	
YOUNG 8			MARTIN, ANGELA J		
745 SOUTH 23RD STREET 2ND FLOOR ARLINGTON, VA 22202				ART UNIT	PAPER NUMBER
				1745	
•			DATE MAILED: 06/15/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Commons	10/600,452	AWANO ET AL.					
Office Action Summary	Examiner	Art Unit					
	Angela J. Martin	1745					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	i6(a). In no event, however, may a reply be tin within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 23 Ju	ne 2003						
3) Since this application is in condition for allowar	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
 4) Claim(s) 1-14 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-14 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or 							
Application Papers							
9)☐ The specification is objected to by the Examine	•						
10)☐ The drawing(s) filed on is/are: a)☐ acce	epted or b) \square objected to by the $\mathfrak l$	Examiner.					
Applicant may not request that any objection to the o	•	, ,					
Replacement drawing sheet(s) including the correcting 11) The oath or declaration is objected to by the Ex		• • • • • • • • • • • • • • • • • • • •					
Priority under 35 U.S.C. § 119							
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau * See the attached detailed Office action for a list of	have been received. have been received in Applicati ty documents have been received (PCT Rule 17.2(a)).	on Noed in this National Stage					
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 9/15/03.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:						
S Patent and Trademark Office							

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamada et al., JP 2002-134169 (machine translation).

Rejection of claims 1-14 drawn to a nonaqueous electrolytic solution.

Yamada et al.(JP), teach a nonaqueous electrolytic solution comprising an electrolyte salt dissolved in organic solvent, which contains a silicon compound represented by formula 1 (claim 1), where R1, R2, R3 are represented in the abstract. It teaches R1 is a vinyl group (sect. 0010). It teaches at least one of R2 and R3 is a methyl group (sect. 0010). It teaches the organic solvent contains a cyclic ester, sulfone or sulfoxide (sect. 0043). It teaches organic solvent contains a cyclic carbonate and an acyclic carbonate (sect. 0043-0044). It teaches the cyclic carbonate comprises ethylene carbonate (sect. 0043). It teaches the cyclic carbonate comprises EC and butylene carbonate (sect. 0043). It teaches the acyclic carbonate comprises dimethyl carbonate, ethylmethyl carbonate, diethyl carbonate (sect. 0044). It teaches a carboxylic ester compound represented by formula 30 (sect. 0046). It teaches the electrolyte salt is

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5% by volume (sect. 0040). It teaches a nonaqueous secondary battery comprising the electrolyte solution (abstract).

Thus, the invention as a whole would have been obvious to one of ordinary skill in the art at the time the invention was made because although the prior art of record does not give a formula of the electrolyte comprising a halogen, it does disclose that a halogen system may be added to the electrolyte in order to give fire retardancy (sect. 0052).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela J. Martin whose telephone number is 571-272-1288. The examiner can normally be reached on Monday-Friday from 9:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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